

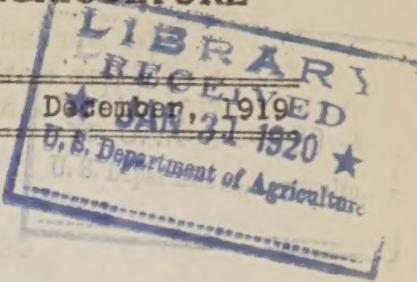
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MONTHLY LETTER OF THE BUREAU OF ENTOMOLOGY  
UNITED STATES DEPARTMENT OF AGRICULTURE

Number 68



## STORED-PRODUCT INSECT INVESTIGATIONS

E. A. Back, Entomologist in Charge

F. B. Milliken, for six years connected with the Bureau and recently engaged in an investigation of *Tribolium* spp. with headquarters at Dallas, Texas, has resigned (December 31, 1919) to enter commercial work. In resigning, Mr. Milliken states that he can not afford to continue in the service of the Bureau in view of the greater financial awards offered outside.

H. H. Stage, who has been representing the Bureau in its cooperative work with the Army and Navy at their supply bases in Brooklyn, N. Y., has tendered his resignation. With the title of entomologist, and at an \$800 increase in salary, he enters the employ of the St. Louis and Southwestern Railway Lines. He will be associated in the new work with an engineer with whom he was associated, during their enlistment in the Navy, in the anti-malarial work conducted by the Navy about Norfolk, Va. The new work will consist largely in improving the malarial conditions along the lines of the railroad. It is interesting to note that if the first year's work proves satisfactory, Mr. Stage has been promised a very large increase in salary.

W. H. Goodwin, transferred to this section from the Office of Deciduous Fruit Insect Investigations, was to have entered upon the investigation of mill insects, December 1. Because of ill health he asked for a leave of nine months without pay. He has accepted employment with a commercial firm and in view of his practical experience along the line of flour-mill insect control, it is probable that he will continue in commercial work.

Perez Simmons, a graduate of the Massachusetts Agricultural College and recently honorably discharged from the Army, has been appointed scientific assistant to assist A. O. Larson in the bean and pea weevil investigations, with headquarters at Alhambra, Cal.

Vernon A. Roberts has been temporarily transferred to Orlando, Fla., where he is assisting Richard T. Cotton in corn weevil investigations.

J. C. Furman has been on leave of absence at Clemson College, S. C.

E. A. Back has recently returned from an investigation of vegetable and fruit dehydration plants on the Pacific Slope.

## DECIDUOUS FRUIT INSECT INVESTIGATIONS

A. L. Quaintance, Entomologist in Charge

Earl R. Van Leeuwen, a graduate of the Michigan Agricultural College, who has been employed temporarily in the Bureau during several seasons in connection with codling moth investigations in different localities, has been appointed scientific assistant and is now temporarily in Washington.

B. A. Porter, in charge of the Bureau's laboratory at Wallingford, Conn., is temporarily in Washington.

The Bureau's laboratory at Grand Junction, Colo., where investigations of the codling moth have been carried out for the past few seasons in cooperation with the Colorado Agricultural College, has now been discontinued.

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#### CEREAL AND FORAGE INSECT INVESTIGATIONS

W. R. Walton, Entomologist in Charge

Dr. Roger C. Smith, of the Charlottesville, Va., laboratory, has resigned, effective January 31, 1920, to accept a State position.

M.C. Lane, of the Berkeley, Cal., station, has been transferred to the station at Forest Grove, Oreg., to assist Mr. Rockwood, in charge of that station. B. G. Thompson has been transferred from the Forest Grove station to take up Mr. Lane's work.

The following men have been temporarily transferred to the pink boll-worm work: A.H. Beyer, W.B. Cartwright, T.S. Wilson, R.J. Fiske, W.G. Bemis, H.B. Carpenter, and W.L. Miles.

George B. Fisher, of the Wichita, Kans., station, has resigned, effective January 31.

Roger J. Chambers, of the station at Arlington, Mass., has resigned for the purpose of attending school.

C. M. Packard, in charge of the Hagerstown, Md., station, spent a few days in Washington during the month.

The following members of the office of Cereal and Forage Insects Investigations were in attendance at the meetings of the American Association of Economic Entomologists at St. Louis, Mo.: W.R. Walton, C.N. Ainslie, G.G. Ainslie, W.H. Larriner, A.F. Satterthwait, H.R. Painter, and F.L. Simanton.

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#### TRUCK CROP INSECT INVESTIGATIONS

F. H. Chittenden, Entomologist in Charge

Since the last Monthly Letter was issued, a new sweet-potato/district has been discovered in the State of Mississippi, embracing about fifteen infested properties east of Ocean Springs, along the line of the Southern Railway, probably caused by the shipment of sweet-potato plants from the infested section in Louisiana.

It is worthy of note that the sweet potato crop, according to statistics published in the December issue of the Monthly Crop Reporter of the Department of Agriculture, is greater in value by about \$20,000,000 than that of last year. The six Gulf States in which infestations of the sweet-potato weevil have been noted produce more than 50 per cent of the crop for the United States.

W.H. Carpenter has been appointed field assistant in insect control and assigned to the important work of eradication of this pest under the direction of K.L. Cockerham.

John E. Graf has returned to Texas and Louisiana from a recent visit to headquarters in Washington in connection with the eradication of the Sweet-potato weevil.

Thomas H. Jones visited Washington for consultation in regard to the new truck crop station which it is proposed to establish in Florida. Fort Myers has been selected as the location for the new station, which Mr. Jones will supervise.

A.P. Swallow, extension entomologist in connection with truck crop Insects in Texas during 1918, and since that time collaborator with this branch, has resigned his position with the Texas Agricultural Experiment Station to enter commercial work.

C.H. Popeno, entomologist in truck crop insect investigations, has completed an extended trip to the Pacific Coast, where he visited all of the western field laboratories attached to this office.

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LIBRARY

Mabel Colcord, Librarian

New Books

Allen, W.J. Spraying. 46 p., illus. (N.S. Wales Dept. Agr. Bul. 72, ed. 4, Oct., 1918.)

Duncan, F. Martin, Insect pests and plant diseases in the vegetable and fruit garden. 95 p., 11 pl. London, Constable & Co., Ltd., 1919.

Lemaire, Paul. Apiculture pratique. La vie de l'abeille. 45 p. Paris, J.-B. Balliere et fils, 1918.

Mexico-Fomento, colonización e industria, Ministerio de. Comision de parasitología agrícola. La langosta. 24 p., 26 pl. Mexico, Imprenta y fototipia de la Secretaria de fomento, 1907.

Müller, Karl. Rebschädlinge und ihre neuzeitliche bekämpfung. 203 p., illus., plates, map. Karlsruhe i. B., 1918.

Pellett, F.C. Beginner's bee book.... 179 p., illus. Philadelphia & London (1919).

Poda, Nicolaus. Insecta Musei graecensis....juxta systema naturae Caroli Linnaei.... 127 (12) p., 1 pl. Prostant apud Johannem Baptistan Dietrich, Bibliopolam, Graecki, Typis Haeredum Widmanstodii, Ann. MDCCCLXI (1761).

Rorig, G.F.C. Tierwelt und Landwirtschaft des Landwirthes freunde und feinde unter den freilebenden Tieren. 418 p., illus., 5 vol. pl. 4°. Stuttgart Verlagsbuchhandlung Eugen Ulmer, 1910.  
Die Insekten, p. 204-292.  
Tiere, die für besondere Verhältnisse von Bedeutung sind, p. 293-418.

Step, Edward. Insect artizans and their work. 318 p., 39 pl. London, Hutchinson & Co., (1919).

Zoological Record, v. 53, 1916. London, Printed for the Society, Regent's Park, 1919.

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SOUTHERN FIELD CROP INSECT INVESTIGATIONS

J. L. Webb, Entomological Assistant Acting in Charge

E.R. Jones, of the Clarksville, Tenn., laboratory, has resigned.  
Max Kisliuk, Jr., of Wilmington, N.C., spent a few days in Washington

during the month.

The temporary appointment of F. H. O'Neill, of the laboratory at Mound, La., has expired.

#### BEE CULTURE

E.F. Phillips, Apiculturist in Charge

The series of extension short courses in beekeeping held in cooperation with the extension divisions of Idaho, Washington, California, and Texas were all well attended, the average attendance being well over 1000. In California the beekeepers present at the four schools represented 30 per cent of all the honey produced in the State. As has been stated in earlier Monthly Letters, these courses aim to include the fundamental principles of beekeeping and little time is spent in discussing special systems of management. This plan seems to meet with the hearty approval of the extensive beekeepers attending, as the courses cover ground not adequately treated in the current beekeeping literature.

The final series of extension short courses in beekeeping to be offered by the Bureau is as follows:

Columbus, Ohio.....	Jan. 26-31
Manhattan, Kans.....	Feb. 2-7
Ames, Iowa.....	Feb. 9-14
St. Paul, Minn.....	Feb. 16-21
Ithaca, N. Y.....	Feb. 23-28

Another course may be offered in New England during the week of March 1-6.

E.G. Baldwin has resigned as extension specialist in Indiana, effective January 12.

H. A. Scullen has resigned as extension specialist in Washington, effective March 1. He will engage in commercial beekeeping in western Oregon.